

ABSTRACT OF THE DISCLOSURE

A diagnostic tool (10) for testing fuel injectors (50) and their driver circuits (IDM), including associated wiring harnesses, in a fuel injection system of an engine in a motor vehicle. The tool has a driver-connection port (16) for connection to the driver circuits and an injector-connection port (18) for connection to the fuel injectors via jumper wiring harnesses. The tool can perform 1) a fuel injector test, by connecting an ohmmeter to the tool to measure injector coil resistance, 2) a driver-injector test, by connecting an oscilloscope to the tool to observe traces of electric current waveforms applied to the fuel injector, 3) a driver circuit test, by connecting the respective driver circuit to a load that simulates the load imposed by the respective fuel injector, and 4) a cylinder contribution test, by selectively disconnecting certain fuel injector actuators from their driver circuits while leaving the remaining fuel injector actuators connected to their driver circuits.

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